

APPARATUS AND METHOD FOR MANUFACTURING OPTICAL DISKS, APPARATUS
AND METHOD FOR RECORDING DATA ON OPTICAL DISKS, APPARATUS AND
METHOD FOR REPRODUCING DATA FROM OPTICAL DISKS, AND OPTICAL DISK

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BACKGROUND OF THE INVENTION

Field of the Invention

The present invention relates to an apparatus and a method for manufacturing an optical disk, an apparatus and a method for recording data on the optical disk, and an apparatus and a method for reproducing data from the optical disk, as well as the optical disk. For example, the present invention can apply to a compact disk, a compact disk player, an optical disk for recording audio data, and a recording apparatus and a reproducing apparatus usable for the optical disk.

The present invention changes the reflectance of the optical disk locally, thereby giving a jitter to the positional information of each pit edge, so that desired data is recorded on the optical disk additionally. Consequently, various data can be recorded on the optical disk so as to be reproduced by an optical pickup for reproducing data strings and not to be copied illegally without any adverse effect on the reproduction of the data strings recorded in the form of pit strings.

In addition, the present invention deviates bits, etc. towards the inner/outer region of the optical disk, thereby recording such subdata as key information, etc., so that various